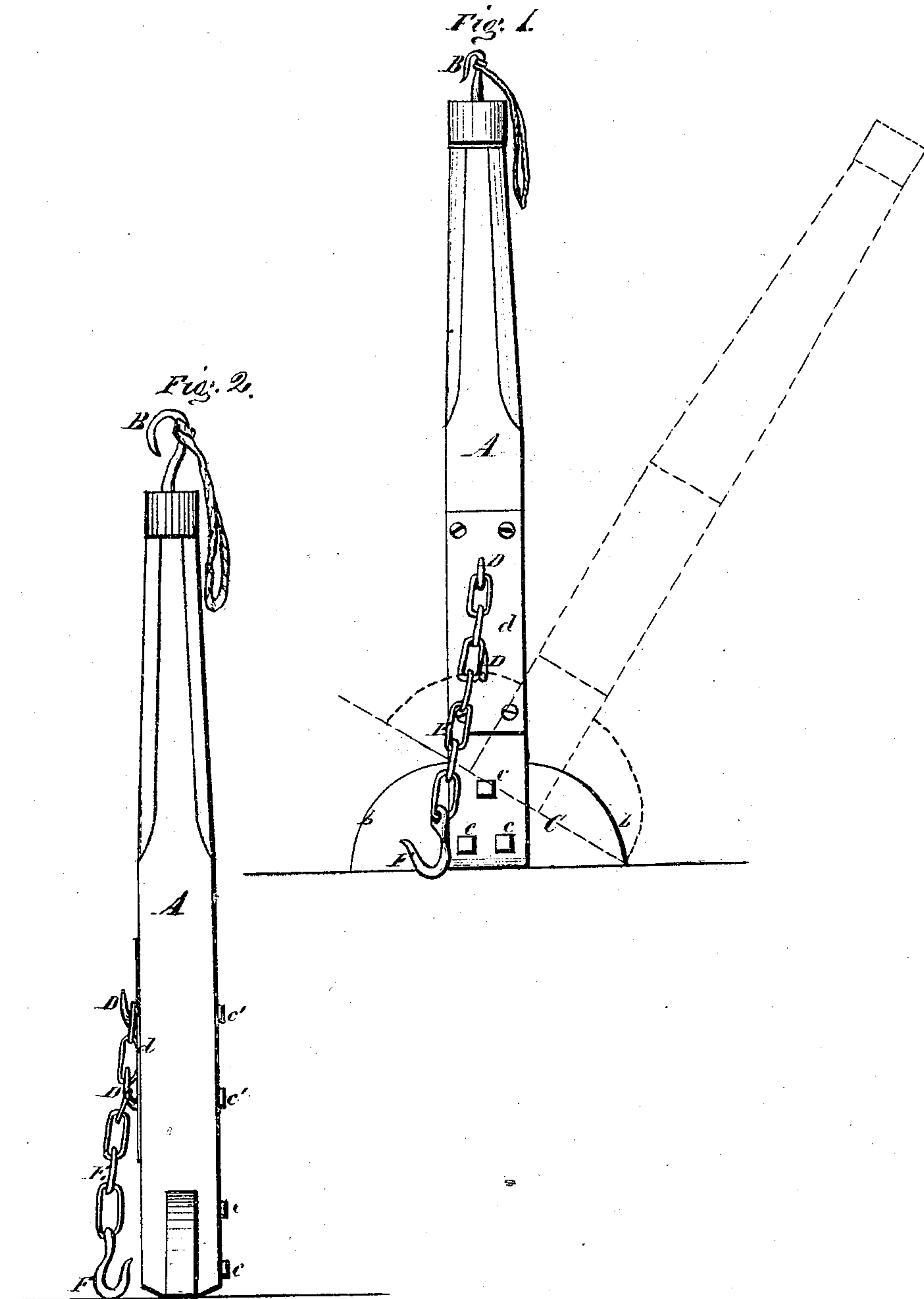


*E. W. Gale,*

*Lifting Jack.*

*No. 95,675.*

*Patented Oct. 12. 1869.*



*Witnesses.*  
*Almon O. Howard*  
*G. M. Ackerman*

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*per A. P. Haight,*  
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# United States Patent Office.

E. W. GALE, OF MONROETON, PENNSYLVANIA, ASSIGNOR TO HIMSELF AND J. G. GALE, OF SAME PLACE.

Letters Patent No. 95,675, dated October 12, 1869.

## IMPROVED HORSE CANT-HOOK.

The Schedule referred to in these Letters Patent and making part of the same.

### To all whom it may concern:

Be it known that I, E. W. GALE, of Monroeton, in the county of Bradford, and State of Pennsylvania, have invented a new and improved Horse Cant-Hook; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

This invention relates to a new and improved cant-hook, which is designed to be operated, or have the power applied to it by a horse or other draught-animal.

The object of the invention is to obtain a device for raising, lifting, and adjusting articles by a very simple contrivance, which may be economically constructed, very readily applied and adjusted for work, and which will be far more efficient than the ordinary hand cant-hooks hitherto used.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

In the accompanying sheet of drawings—

Figure 1 is a side view of my invention.

Figure 2, an edge view of the same.

Similar letters of reference indicate corresponding parts in the two figures.

A represents the upright of my improved cant-hook. This upright may be of any suitable or desired dimensions, but the size which probably will be most generally used will be, length from eight to ten feet, and the lower portion about five inches wide at each side, a good hard wood being used as a material, such, for instance, as hickory, ash, or white oak. The outer end of the upright is encompassed by an iron band or ferrule, *a*, and a hook, B, is driven in said end, to which hook the draught-animal is connected or attached.

O is the anchor or fulcrum, which may be of any suitable dimensions, say from twenty-eight to thirty inches, and rounded from each end upward, forming quarter circles, as shown at *b b*. This anchor or fulcrum is inserted in a mortise made centrally in the inner end of the upright, and secured in said mortise by bolts *c*, which pass through the upright and anchor.

D D' are two hooks, the shanks of which pass through a metal plate, *d*, secured to one side of the upright, and also through the latter, and have screw-nuts *c'* on the outer ends of their shanks, to hold them firmly in position. These hooks may be from nine to twelve inches apart.

E is a chain, of any suitable length, and having a hook, F, at its lower end. This chain may be fitted on either of the hooks, D or D'.

The operation is as follows:

The lower end of the chain E is secured to the article to be raised, and adjusted by means of the hook F, the anchor or fulcrum O resting upon the ground, and the upright A being in a vertical position, or nearly so.

The animal, in moving or starting along, draws the upright A over, as indicated by the dotted lines in fig. 1, and the article to be raised, lifted, and adjusted, and which is connected by the hook F to the chain E, is raised and moved by this drawing over of the upright, a result due to the anchor or fulcrum O.

When the chain E is suspended on the lower hook D', the leverage-power is increased, but the speed of the movement of the article to be raised is correspondently decreased, and the height or elevation of said article correspondently diminished.

This device may be constructed at a very small cost, and applied to its work and operated through the medium of a draught-animal with the greatest facility.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The herein-described horse-power cant-hook, consisting of an upright, A, with hooks D D' at different elevations, the chain E with hook F, the hook B, and fulcrum-block O, when the latter has a straight base, and the chain E is made adjustable in its attachment to the upright, all as herein set forth, and for the purpose specified.

E. W. GALE.

Witnesses:

H. T. JUNE,  
L. T. ROYSE.